

# **FEDERAL AVIATION ADMINISTRATION**

## **Record of Decision Lambert-St. Louis International Airport**

### **TABLE OF CONTENTS**

1.	FAA DECISION.....	1
2.	BACKGROUND .....	3
	AIRPORT DESCRIPTION.....	3
	LAMBERT’S ROLE .....	4
	AIRPORT MASTER PLANNING PROCESS.....	4
	Lambert-St. Louis International Airport Master Plan .....	4
	Master Plan Supplement.....	5
	THE PROPOSED IMPROVEMENTS TO LAMBERT .....	6
	EIS PROCESS.....	7
3.	AGENCY ACTIONS.....	8
4.	PURPOSE AND NEED .....	11
	INCREASED AIRFIELD CAPACITY .....	12
	PASSENGER HUB EFFICIENCY .....	12
	MULTIPLE AIRPORT SYSTEMS.....	13
	ECONOMIC BENEFITS.....	13
5.	ALTERNATIVES ANALYSIS.....	14
	ELIMINATED FROM DETAILED ANALYSIS .....	15
	ALTERNATIVES CONSIDERED IN DETAIL .....	16
	No-Action Alternative (X-1 ) .....	16
	Alternative S-1 .....	17
	Alternative W-1W.....	19
	THE FAA’S SELECTED ALTERNATIVE (ALTERNATIVE W-1W) .....	22
6.	MAJOR IMPACTS AND MITIGATION .....	25
	SUPPLEMENTAL TECHNICAL REPORTS.....	25
	IMPACTS AND MITIGATION.....	25
	Noise and Compatible Land Use Impacts and Mitigation .....	26
	Social Impacts and Mitigation; Environmental Justice Impacts.....	28
	Induced Socioeconomic Impacts.....	30
	Air Quality Impacts and Mitigation .....	30
	Water Quality Impacts and Mitigation .....	32
	Section 303 and Section 6(f) Impacts and Mitigation.....	34
	Historic, Architectural, Archaeological Impacts and Mitigation .....	37
	Biotic Communities Impacts .....	39
	Threatened and Endangered Species Impacts.....	39
	Wetlands Impacts and Mitigation .....	39

# **FEDERAL AVIATION ADMINISTRATION**

## **Record of Decision Lambert-St. Louis International Airport**

### **TABLE OF CONTENTS**

	Floodplains Impacts and Mitigation.....	40
	Farmland Impacts .....	41
	Energy Supply and Natural Resources Impacts .....	41
	Light Emissions Impacts and Mitigation .....	41
	Solid Waste Impacts and Mitigation.....	42
	Coastal Barriers and Coastal Zone Management Program Impacts.....	43
	Wild and Scenic Rivers Impacts .....	43
	Construction Impacts and Mitigation .....	43
	Design, Art and Architecture Impacts.....	44
	Hazardous Materials Impacts and Mitigation .....	44
	Surface Transportation Impacts and Mitigation .....	45
	MITIGATION SUMMARY .....	46
7.	PUBLIC AND AGENCY INVOLVEMENT .....	47
	PUBLIC INVOLVEMENT PROCESS .....	47
	ADDITIONAL MEETINGS.....	48
	May 13, 1998 .....	48
	June 9, 1998 .....	49
	June 16, 1998 .....	50
	July 20, 1998.....	50
	July 23, 1998.....	51
8.	COOPERATING AGENCIES .....	52
	U.S. AIR FORCE .....	52
	U.S. NAVY .....	52
	U.S. ARMY CORPS OF ENGINEERS .....	53
	FEDERAL HIGHWAY ADMINISTRATION.....	53
	Decisions Relative to Surface Transportation Actions .....	53
	Surface Transportation Alternatives Considered .....	55
	Summary of Proposed Roadway Development Plans for Alternative W-1W.....	60
	Section 303 (formerly called Section 4(f)) and Section 6 resources .....	60
	Measures to Minimize Harm.....	61
	Monitoring or Enforcement Program .....	63
	Comments on FEIS .....	64
9.	RELATED PLANNING ISSUES .....	65
	SAFETY .....	65

# **FEDERAL AVIATION ADMINISTRATION**

## **Record of Decision Lambert-St. Louis International Airport**

### **TABLE OF CONTENTS**

CAPACITY .....	66
National Airspace System Capacity Benefits .....	68
Runway Stagger/Departure Dependency .....	69
Precision Runway Monitor/No Transgression Zone Issue .....	70
Real-Time Simulation.....	72
SIMMOD Review.....	73
Terminal Expansion .....	74
Benefit/Cost Analyses .....	76
Air Line Pilots Association/National Air Traffic Controllers Association 18 Points .....	77
10. ENVIRONMENTAL ISSUES RAISED ABOUT THE FEIS.....	79
11. THE AGENCY FINDINGS.....	112
12. APPROVALS AND FAA ORDER .....	123
FHWA APPROVAL .....	123
FAA APPROVAL AND ORDER .....	123

### **APPENDICES**

Appendix A	Agency Letters on the FEIS and FAA Responses to Comments
Appendix B	Summarized Public Comments on the FEIS and FAA Responses to Comments
Appendix C	Responses to ALPA's 18 Concerns
Appendix D	Responses to 12 Questions Posed to Senator Bond by Bridgeton Air Defense (BAD)
Appendix E	Responses to Letter from Cutler & Stanfield on Behalf of the City of Bridgeton Dated June 29, 1998
Appendix F	Letters from Lambert and Transworld Airlines (TWA) Clarifying Status of Terminal Facilities Expansion Requirements and FAA Letter Requesting Clarification
Appendix G	FAA Responses to Late-Filed Letters
Appendix H	Memorandum of Agreement (Section 106 Process) and Associated Letters
Appendix I	Miscellaneous Letters Referenced in the ROD
Appendix J	FEIS Summary